Contents Volume 29

Vol. 29, No. 1 (February 1993)

Publisher's Note	v
I.R. Edmonds Performance of laser cut light deflecting panels in daylighting applications	1
M.N. Islam, B.K. Samantaray, K.L. Chopra and H.N. Acharya Microstructural characterization of transparent conducting aluminium doped zinc oxide films prepared by spray pyrolysis	27
A.W. Smith and A. Rohatgi Ray tracing analysis of the inverted pyramid texturing geometry for high efficiency silicon solar cells	37
A.W. Smith and A. Rohatgi A new texturing geometry for producing high efficiency solar cells with no antireflection coatings	51
S.K. Sharma, A. Agarwal, S. Anandavally, N. Srinivasamurthy and B.L. Agrawal Prediction of solar array power output based on limited measured data	67
R. van den Berg, M. Bölingen and R.D. Wieting What does "one-sun intensity" mean for $I-V$ curve measurement? Intensity-induced errors on different types of large area a-Si modules	77
G. Di Francia, L. Abenante and L. Fornarini Indoor <i>I-V</i> swept technique: model and experimental results	85
Vol. 29, No. 2 (March 1993)	
M. Abdel Naby, A. Zekry, F. El Akkad and H.F. Ragaie Dependence of dark current on zinc concentration in Zn _x Cd _{1-x} S/ZnTe hetero- junctions	97
K. Tennakone, S. Senadeera and A. Priyadharshana TiO ₂ catalysed photo-oxidation of water in the presence of methylene blue	109
Y. Guo and X. Deng Electrodeposition of CdTe thin films and their photoelectrochemical behaviour	115

0165-1633/93/\$06.00 © 1993 - Elsevier Science Publishers B.V. All rights reserved

Y. Guo and X. Deng Effects of surface modification on the PEC performance of electrochemically deposited n-CdTe films	123
E. Ech-chamikh, M. Azizan, E.L. Ameziane, J.Y. Veuillen and M. Brunel Structural and chemical analysis of all sputtered a-Si/a-C multilayers	131
J.J. Gandía, M.T. Gutiérrez and J. Cárabe Properties of p-type amorphous silicon carbide window layers prepared using boron trifluoride	139
T.K. Lee, D.H. Kim and P. Chungmoo Auh The optical characteristics of black chrome solar selective films coated by the pulse current electrolysis method	149
B.M. Başol, V.K. Kapur, A. Halani and C. Leidholm Copper indium diselenide thin film solar cells fabricated on flexible foil sub- strates	163
A.G. Aberle, S. Glunz and W. Warta Field effect passivation of high efficiency silicon solar cells	175
S.S. Dhumure and C.D. Lokhande Studies on photoelectrochemical storage cells formed with chemically deposited CdSe and Ag ₂ S electrodes	183
Vol. 29, No. 3 (April 1993)	
F. Zhang, Z. Song, Y. Guo and G. Chen High-photosensitivity a-SiGe: H films prepared by RF glow discharge plasma CVD method	195
N. Enebish, D. Agchbayar, S. Dorjkhand, D. Baatar and I. Ylemj Numerical analysis of solar cell current-voltage characteristics	201
H. Nguyen Cong, C. Sene and P. Chartier Cadmium sulfide thickness effect on the photoresponse of the CdS(Al) spray/poly(3-methylthiophene) solid state junction	209
M. Papini Reflectance-absorptance characteristics of natural fiber surfaces	221
K. Azuma, M. Tanaka, M. Nakatani and T. Shimada The transition state of disilane plasma	233
A. Takeoka, S. Kouzuma, H. Tanaka, H. Inoue, K. Murata, M. Morizane, N. Nakamura, H. Nishiwaki, M. Ohnishi, S. Nakano and Y. Kuwano	
Development and application of see-through a-Si solar cells	243

A.J. Varkey and A.F. Fort Some optical properties of silver peroxide (AgO) and silver oxide (Ag ₂ O) films produced by chemical-bath deposition	253
J.J. Liou Physical models for predicting the performance of Si/Si, AlGaAs/GaAs, and Si/SiGe solar cells	261
S.K. Das Characterisation of CdCl ₂ treated electrodeposited CdS/CdTe thin film solar cell	277
A. Ennaoui, S. Fiechter, C. Pettenkofer, N. Alonso-Vante, K. Büker, M. Bronold, C. Höpfner and H. Tributsch Iron disulfide for solar energy conversion	289
J.P. Cronin, D.J. Tarico, J.C.L. Tonazzi, A. Agrawal and S.R. Kennedy Microstructure and properties of sol-gel deposited WO ₃ coatings for large area electrochromic windows	371
J.K. Arch, J.H. Werner and E. Bauser Hall effect analysis of liquid phase epitaxy silicon for thin film solar cells	387
R. Brendel and H.J. Queisser On the thickness dependence of open circuit voltages of p-n junction solar cells	397
P. Würfel Limiting efficiency for solar cells with defects from a three-level model	403
Letter to the Editor	415
Errata	417
Call for Papers	419
Author Index	420
Contents Volume 29	425

